

8/14/84

REDACTED VERSION



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT

REGION 6 SITE NUMBER (to be assigned by Hq) TX 08567

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME City of Irving-Acie Seals Property B. STREET (or other identifier) Oakdale, between Hardrock & Beltline Rd.  
C. CITY Grand Prairie TX D. STATE TX E. ZIP CODE 75050 F. COUNTY NAME Dallas

G. SITE OPERATOR INFORMATION  
1. NAME City of Irving 2. TELEPHONE NUMBER (214) 253-2611  
3. STREET 825 Irving Blvd 4. CITY Irving 5. STATE TX 6. ZIP CODE

H. REALTY OWNER INFORMATION (if different from operator of site)  
1. NAME H.B. Zachary Company, Inc. 2. TELEPHONE NUMBER  
3. CITY 4. STATE 5. ZIP CODE

I. SITE DESCRIPTION Former municipal landfill  
J. TYPE OF OWNERSHIP  
☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE

II. TENTATIVE DISPOSITION (complete this section last)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.) 5/15/84  
B. APPARENT SERIOUSNESS OF PROBLEM  
☐ 1. HIGH ☐ 2. MEDIUM ☒ 3. LOW ☐ 4. NONE  
C. PREPARER INFORMATION  
1. NAME Russell S. Dykes 2. TELEPHONE NUMBER (512) 477-9901 3. DATE (mo., day, & yr.) May 2, 1984

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION  
1. NAME Russell S. Dykes 2. TITLE Project Engineer  
3. ORGANIZATION Engineering-Science, Inc. 2901 N. IH35, Austin, TX 78722 4. TELEPHONE NO. (area code & no.) (512) 477-9901

B. INSPECTION PARTICIPANTS		
1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
		SUPERFUND FILE
		NOV 20 1992
		REORGANIZER

C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residents)		
1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
Lawrence Baker, P.E.	Director of Environmental Services (214) 253-2611	825 W. Irving Blvd., Irving, TX 75060
Dill Wardroup	Sanitation Superintendent (214) 721-2432	128 N. Briery Rd., Irving, TX 75060

REVIEWED BY: J. B. L. DATE: 10-11-84

## III. INSPECTION INFORMATION (continued)

## D. GENERATOR INFORMATION (source of waste) See Attachment A

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
Trumvull Asphalt	(214) 438-2565	209 N. Nursery Rd. Irving, TX 75060	Oil & Tar from roofing operations
Koppers Co. (formerly Andrew Brown Co.)	(214) 438-1913	801 Lee St., Irving, TX 75060	Paint and paint waste
Schnee-Molehead Chemical Co.	(214) 438-9111	111 N. Nursery Rd., Irving, TX 75060	Possibly small amounts of Toluene

## E. TRANSPORTER/HAULER INFORMATION See Attachment A

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED

## F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
NONE		

## G. DATE OF INSPECTION

(mo., day, & yr.)  
May 1, 1984

## H. TIME OF INSPECTION

1045

## I. ACCESS GAINED BY: (credentials must be shown in all cases)



1. PERMISSION



2. WARRANT

## J. WEATHER (describe)

Partly Cloudy, Warm

## IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER	X	ES Lab. Houston	
b. SURFACE WATER			
c. WASTE			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER (specify)			

## B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
pH-groundwater	(b) (6)	8.0



## IV. SAMPLING INFORMATION (continued)

## C. PHOTOS

## 1. TYPE OF PHOTOS

☒ a. GROUND    ☐ b. AERIAL

## 2. PHOTOS IN CUSTODY OF:

Engineering-Sciences, Inc.

## D. SITE MAPPED?

☒ YES. SPECIFY LOCATION OF MAPS: USGS "Euless, Texas" SE/4  
Grapevine 15' quad

## E. COORDINATES

## 1. LATITUDE (deg.-min.-sec.)

32° 47' 35"

## 2. LONGITUDE (deg.-min.-sec.)

97° 00' 30"

## V. SITE INFORMATION

## A. SITE STATUS

☐ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

☒ 2. INACTIVE (Those sites which no longer receive wastes.)

☐ 3. OTHER (specify):  
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

## B. IS GENERATOR ON SITE?

☒ 1. NO    ☐ 2. YES (specify generator's four-digit SIC Code):

## C. AREA OF SITE (in acres)

45

## D. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO    ☒ 2. YES (specify):

Sales office &amp; equipment buildings for H.B. Zachary Co.

## VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

<input checked="" type="checkbox"/> A. TRANSPORTER	<input checked="" type="checkbox"/> B. STORER	<input checked="" type="checkbox"/> C. TREATER	<input checked="" type="checkbox"/> D. DISPOSER
1. RAIL	1. PILE	1. FILTRATION	1. LANDFILL
2. SHIP	2. SURFACE IMPOUNDMENT	2. INCINERATION	2. LANDFARM
3. BARGE	3. DRUMS	3. VOLUME REDUCTION	3. OPEN DUMP
4. TRUCK	4. TANK, ABOVE GROUND	4. RECYCLING/RECOVERY	4. SURFACE IMPOUNDMENT
5. PIPELINE	5. TANK, BELOW GROUND	5. CHEM./PHYS./TREATMENT	5. MIDNIGHT DUMPING
6. OTHER (specify):	6. OTHER (specify):	6. BIOLOGICAL TREATMENT	6. INCINERATION
		7. WASTE OIL REPROCESSING	7. UNDERGROUND INJECTION
		8. SOLVENT RECOVERY	8. OTHER (specify):
		9. OTHER (specify):	

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

☐ 1. STORAGE    ☐ 2. INCINERATION    ☒ 3. LANDFILL    ☐ 4. SURFACE IMPOUNDMENT    ☐ 5. DEEP WELL  
☐ 6. CHEM/BIO/PHYS TREATMENT    ☐ 7. LANDFARM    ☐ 8. OPEN DUMP    ☐ 9. TRANSPORTER    ☐ 10. RECYCLOR/RECLAIMER

## VII. WASTE RELATED INFORMATION

## A. WASTE TYPE

☒ 1. LIQUID    ☒ 2. SOLID    ☐ 3. SLUDGE    ☐ 4. GAS

## B. WASTE CHARACTERISTICS

☐ 1. CORROSIVE    ☐ 2. IGNITABLE    ☐ 3. RADIOACTIVE    ☐ 4. HIGHLY VOLATILE  
☐ 5. TOXIC    ☐ 6. REACTIVE    ☐ 7. INERT    ☒ 8. FLAMMABLE

☐ 9. OTHER (specify):

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

No

## VII. WASTE RELATED INFORMATION (continued)

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE		b. OIL		c. SOLVENTS		d. CHEMICALS		e. SOLIDS		f. OTHER	
AMOUNT		AMOUNT		AMOUNT		AMOUNT		AMOUNT		AMOUNT	
unknown		unknown		unknown		unknown		unknown		unknown	
UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE	
<input checked="" type="checkbox"/> (1) PAINT, PIGMENTS		<input checked="" type="checkbox"/> (1) OILY WASTES		<input checked="" type="checkbox"/> (1) HALOGENATED SOLVENTS		<input checked="" type="checkbox"/> (1) ACIDS		<input checked="" type="checkbox"/> (1) FLYASH		<input checked="" type="checkbox"/> (1) LABORATORY, PHARMACEUT.	
(2) METALS SLUDGES		<input checked="" type="checkbox"/> (2) OTHER(specify): Grease trap wastes		(2) NON-HALOGENATED SOLVENTS		(2) PICKLING LIQUORS		(2) ASBESTOS		(2) HOSPITAL	
(3) POTW			(3) OTHER(specify):		(3) CAUSTICS		(3) MILLING/MINE TAILINGS		(3) RADIOACTIVE		
(4) ALUMINUM SLUDGE					(4) PESTICIDES		(4) FERROUS SMELTING WASTES		<input checked="" type="checkbox"/> (4) MUNICIPAL		
(5) OTHER(specify):					(5) DYES/INKS		(5) NON-FERROUS SMELTING WASTES		(5) OTHER(specify):		
					(6) CYANIDE		<input checked="" type="checkbox"/> (6) OTHER(specify): Fertilizer				
				(7) PHENOLS							
				(8) HALOGENS							
				(9) PCB							
				(10) METALS							
				<input checked="" type="checkbox"/> (11) OTHER(specify): cleansers/detergents							

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (place in descending order of hazard)

1. SUBSTANCE	2. FORM (mark 'X')			3. TOXICITY (mark 'X')				4. CAS NUMBER	5. AMOUNT	6. UNIT
	a. SOLID	b. LIQ.	c. VAPOR	a. HIGH	b. MED.	c. LOW	d. NONE			
Tar and oil from roofing operations		X				X			Unknown	
Paint Wastes	X	X				X			Unknown	
Asbestos	X					X			Unknown	

## VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

☐ A. HUMAN HEALTH HAZARDS

## VIII. HAZARD DESCRIPTION (continued)

☐ B. NON-WORKER INJURY/EXPOSURE☐ C. WORKER INJURY/EXPOSURE☐ D. CONTAMINATION OF WATER SUPPLY☐ E. CONTAMINATION OF FOOD CHAIN☒ F. CONTAMINATION OF GROUND WATER

Samples collected from shallow wells on Shady Lane. Past complaints at these sites. Other wells on Shady Lane not effected. Results indicated no contamination.

☐ G. CONTAMINATION OF SURFACE WATER

## VIII. HAZARD DESCRIPTION (continued)

☐ H. DAMAGE TO FLORA/FAUNA☐ I. FISH KILL☐ J. CONTAMINATION OF AIR☐ K. NOTICEABLE ODORS☐ L. CONTAMINATION OF SOIL☐ M. PROPERTY DAMAGE

# VIII. HAZARD DESCRIPTION (continued)

☐ T. MIDNIGHT DUMPING

☐ U. OTHER (specify):

## IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE (specify units)
1. IN RESIDENTIAL AREAS	75	75	19	0.5 miles
2. IN COMMERCIAL OR INDUSTRIAL AREAS	3000	3000	100	2-3 miles
3. IN PUBLICLY TRAVELLED AREAS	200,000	200,000	0	2-3 miles
4. PUBLIC USE AREAS (parks, schools, etc.)	100	100	1	1-2 miles

## X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER (specify unit) 10-25 ft; 50-150 ft. *	B. DIRECTION OF FLOW Northeasterly(local); *	C. GROUNDWATER USE IN VICINITY Domestic
D. POTENTIAL YIELD OF AQUIFER 100 gpm; 10-1170 gpm *	E. DISTANCE TO DRINKING WATER SUPPLY (specify unit of measure) ~ 300'	F. DIRECTION TO DRINKING WATER SUPPLY Southeast
G. TYPE OF DRINKING WATER SUPPLY		
<input type="checkbox"/> 1. NON-COMMUNITY < 15 CONNECTIONS*	<input checked="" type="checkbox"/> 2. COMMUNITY (specify town): Irving	
<input type="checkbox"/> 3. SURFACE WATER	<input checked="" type="checkbox"/> 4. WELL	

\*See Attachment A

## VIII. HAZARD DESCRIPTION (continued)

☐ N. FIRE OR EXPLOSION☐ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID☐ P. SEWER, STORM DRAIN PROBLEMS☐ Q. EROSION PROBLEMS☐ R. INADEQUATE SECURITY☐ S. INCOMPATIBLE WASTES



Continued From Page 8

**X. WATER AND HYDROLOGICAL DATA (continued)****H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE**

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COM- MUNITY (mark 'X')	5. COMMUN- ITY (mark 'X')
(b) (6)	19 feet	Residential Well	X	
(b) (6)	38 feet	Residential Well	X	
All other Shady Lane	400 feet	Approx. 10 residential wells	X	

**I. RECEIVING WATER****1. NAME**West Fork, Trinity  
River☐ **2. SEWERS**☒ **3. STREAMS/RIVERS**☐ **4. LAKES/RESERVOIRS**☐ **5. OTHER (specify):****6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS**

Segment 0805 of the Trinity River is classified as suitable for noncontact recreation and propagation of fish and wildlife.

**XI. SOIL AND VEGETATION DATA****LOCATION OF SITE IS IN:**☐ **A. KNOWN FAULT ZONE**☐ **B. KARST ZONE**☒ **C. 100 YEAR FLOOD PLAIN**☐ **D. WETLAND**☐ **E. A REGULATED FLOODWAY**☐ **F. CRITICAL HABITAT**☐ **G. RECHARGE ZONE OR SOLE SOURCE AQUIFER****XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED**

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	B. BEDROCK (specify below)	'X'	C. OTHER (specify below)
X	1. SAND				
X	2. CLAY				
X	3. GRAVEL				

**XIII. SOIL PERMEABILITY**

Arents, loamy as defined by the U.S.D.A. Dallas County Soil Survey; (see Attachment A)

☐ **A. UNKNOWN**☐ **B. VERY HIGH (100,000 to 1000 cm/sec.)**☐ **C. HIGH (1000 to 10 cm/sec.)**☒ **D. MODERATE (10 to .1 cm/sec.)**☐ **E. LOW (.1 to .001 cm/sec.)**☐ **F. VERY LOW (.001 to .00001 cm/sec.)****G. RECHARGE AREA**☒ **1. YES**☐ **2. NO****3. COMMENTS:**

Recharge to the Woodbine and Eagle Ford aquifers occurs by direct infiltration of rainfall and by (see Attachment A)

**H. DISCHARGE AREA**☐ **1. YES**☒ **2. NO****3. COMMENTS:****I. SLOPE****1. ESTIMATE % OF SLOPE**

0-0.5%

**2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.**

Northeasterly slope; gently undulating and partly hilly

**J. OTHER GEOLOGICAL DATA**

The site is located very close to the outcrop lithologic contact, between the Cretaceous-Gulf Series Woodbine and Eagle Ford groups. The resulting condition is that the overlying Eagle Ford (shale with limestone and sandstone) has a thin section with poor yielding wells; however, the Woodbine Sand is at its full thickness (see Attachment A)

Continued From Front

#### XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1. YES	2. NO	3. UN- KNOWN
None							

#### XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☒ NONE ☐ YES (summarize in this space)

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition (Section II) information on the first page of this form.





Photographer / Witness

R.S. Dykes

Date / Time / Direction

5/1/84) 1140 / ENE

Comments: H.B. Zachary trash pile



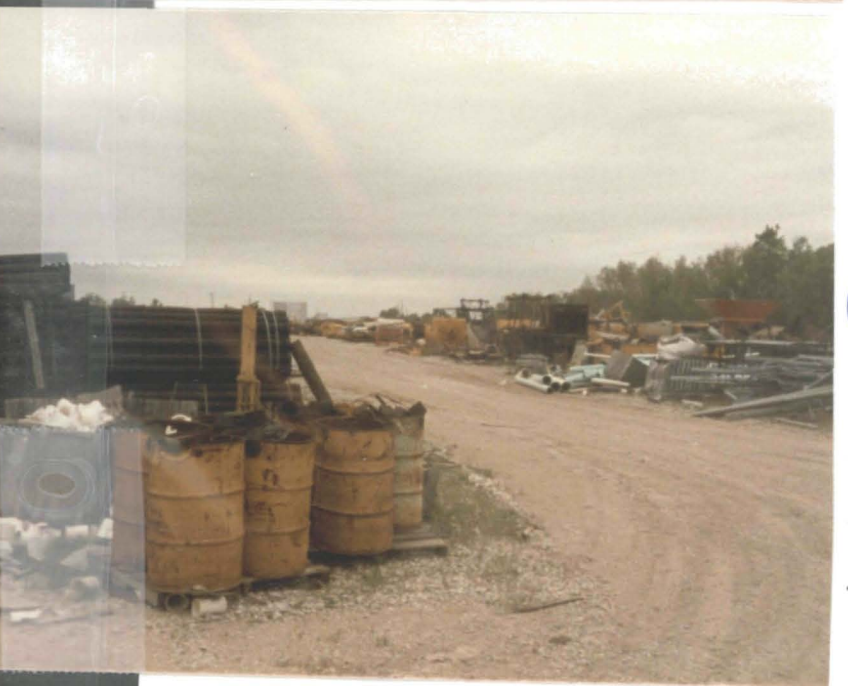
Photographer / Witness

R.S. Dykes

Date / Time / Direction

5/1/84) 1140 / N

Comments: Swale behind HB  
Zachary



Photographer / Witness

R.S. Dykes

Date / Time / Direction

5/1/84) 1140 / SSE

Comments: HB Zachary lot



Photographer / Witness

R.S. Dykes

Date / Time / Direction

(5/1/84) 1400 / SW

Comments

(b) (6)

(b) (6)



Photographer / Witness

R.S. Dykes

Date / Time / Direction

(5/1/84) 1400 / WNW

Comments

(b) (6)

(b) (6)

Photographer / Witness

Date / Time / Direction

Comments:



RCRA 3012 SITE INSPECTION COMMENTS  
ACIE SEALS PROPERTY  
IRVING, TEXAS  
TX08567

Inspector Russel S. Dykes of Engineering-Science, Inc. arrived at the site at 10:50 A.M. on May 1, 1984. The site of the former landfill is entirely occupied by H.B. Zachary Construction Company and is used as a repair facility for equipment. Miscellaneous trash and drums from the Zachary operation are stored on the site. The property is surrounded by a six-foot barbed-wire-topped chain-link fence. Slope is generally to the north (toward Bear Creek) at less than one percent. There is a drainage channel along both the north and east property lines. Mr. Dill Waldroup (City of Irving) said that the site was an old sand and gravel pit which was filled in and covered. He also said that he remembers no runoff from the property except when Bear Creek flooded and inundated the entire area.

The file information on this site contains a reference to a complaint filed against the landfill with Dallas County Health Department (DCHD) by a neighbor on Shady Lane. The DCHD has no record of the complaint but Mr. Waldrop recalled someone from the DCHD coming out and collecting samples from the neighbor's well and determining that material from the landfill was causing the problem.

The inspector interviewed a (b) (6) on May 1, 1984. (b) (6), his wife, and his wife's sister and husband ((b) (6)) live at (b) (6) and (b) (6) (next door), respectively. Apparently, the above-referenced complaint was made by the (b) (6) or the previous residents. (b) (6) complained of a bad taste from the water in his well (38 feet deep). He told the inspector that the (b) (6) only use their well for nonpotable purposes (they buy bottled water to drink). The (b) (6) well is 19 feet deep. Samples were collected from both wells. Results indicated no contamination of either well.

No apparent leachate, odors, or stressed vegetation was noted at the H.B. Zachary property. No excessive erosion was noted either. Zachary had added about one foot of gravel to the top of the landfill cover.

ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-3.

Corresponding  
number on form

Additional Remark and/or Explanation

III D

Additional wastes were generated by:

1. Drackett Co. (no longer in business) - household cleaners/detergents
2. Misc. small vacuum truck operations - grease traps (restaurant and auto service types)

III E

City of Irving personnel interviewed reported that, almost without exception, the generators listed in III. D. provided their own trucks to haul waste to the disposal area



# ATTACHMENT A

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-3.

### Corresponding number on form

### Additional Remark and/or Explanation

- X A Initial depth range is given for the water table level in the disturbed and alluvial sediments, while the final value gives depth to the potentiometric surface of the Woodbine aquifer.
- X B Easterly regional
- X D The first value indicates gallons per minute yield from alluvium or disturbed strata, while the last range gives yield for Woodbine wells
- XIII D Arents is a soil unit composed of overburden discarded from area mining operations.
- XIII G stream seepage on the outcrop
- XIII J (300 feet beneath the site) and, consequently, is the predominant area aquifer.
- A description of these units and the remaining stratigraphic sequence may be found in the attached table submitted from the Cretaceous in descending order consists of: the Washita Group of limestone, marl and clay with about 370 feet of below-sit section; the Fredericksburg Group of similar lithology, 120 feet; the Paluxy Formation of the Trinity Group; sand and shale with 140 feet of section; the Glen Rose Fmn. (limestone); 150 feet; and the Trinity Group.
- Twin Mountains Fmn. of sand, shale, clay & basal gravel with 425 to 450 feet of apparent thickness. This Cretaceous Sequence is underlain by undifferentiated Palcozoil Rocks at 1400 to 1600 feet below the surface.
- The Cretaceous System, Gulf and Comanche Series forms a south-eastward-thickening wedge extending into the East Texas basin structural feature. Regional dip east and slightly southeast in the site vicinity ranging from 15 to 40 feet per mile on average up to 300 feet of drop farther to the east. The Paleozoid sequence underlying this dips westward and northwestward at about 400 feet per mile, while the overlying Tertiary System beds dip regionally southeastward at a rate of 100 feet per mile from the Mexia-Talco-fault system located to the southeast of the site.
- The major aquifers of use in the site area include the Woodbine, Paluxy Sand and Twin Mountains formations along with small supplies from river alluvial deposits and the Eagle Ford.

**Table 1.—Stratigraphic Units and Their Water-bearing Properties**  
Yield, in gallons per minute (gal/min): small, less than 100 gal/min; moderate, 100—1,000 gal/min; large, more than 1,000 gal/min.

Era	System	Series	Group	Stratigraphic units	Approximate maximum thickness (feet)	Character of rocks	Water-bearing characteristics
Cenozoic	Quaternary	Recent		Alluvium	75	Sand, silt, clay and gravel.	Yields small to large amounts of water to wells along the Red River
		Pleistocene		Fluvialite terrace deposits			
	Tertiary	Eocene	Wilcox		100	Fine to medium sand with silt and clay	Yields small quantities of water to wells in the eastern part of the area.
		Paleocene	Midway		180	Gray, calcareous clay, in part silty to sandy	Do.
Mesozoic	Cretaceous	Gulf	Navarro	Kemp Clay Corsicana Marl	300	Fossiliferous clay and hard limy marl	Not known to yield water to wells in the area.
				Nacatoch Sand	500	Fine sand and marl, fossiliferous	Yields small to moderate quantities of water near the outcrop.
			Taylor	Marlbrook Marl Pecan Gap Chalk Wolfe City - Ozon Formations	1,500	Clay, marl, mudstone, and chalk	Yields small quantities of water to shallow wells.
			Austin	Gober Chalk Brownstown Marl Blossom Sand Bonham Formation	700	Chalk, limestone, and marl; fine to medium sand, fossiliferous	Yields small to moderate quantities of water to wells in the northeastern part of the area; very limited as an aquifer.
			Eagle Ford		650	Shale with thin beds of sandstone and limestone	Yields small quantities of water to shallow wells.
			Woodbine		700	Medium to coarse iron sand, sandstone, clay and some lignite	Yields moderate to large quantities of water to municipal, industrial and irrigation wells.
		Comanche	Washita	Grayson Marl - Mainstreet Limestone Pawpaw Formation - Weno Limestone - Denton Clay Fort Worth - Duck Creek Kiamichi Formation	1,000	Fossiliferous limestone, marl, and clay; some sand near top	Yields small quantities of water to shallow wells.
			Fredericksburg	Edwards Limestone Comanche Peak Formation	250	Limestone, clay, marl, shale, and shell agglomerates	Do.
				Walnut Formation			
			Trinity	Paluxy Formation	900	Fine sand, sandy shale, and shale	Yields small to moderate quantities of water to wells.
				Glen Rose Formation		Limestone, marl, shale, and anhydrite	Yields small quantities of water in localized areas.
				Twin Mountains Formation		Fine to coarse sand, shale, clay, and basal gravel and conglomerate	Yields moderate to large quantities of water to wells.
Paleozoic				Paleozoic rocks undifferentiated		Sandstone, limestone, shale and conglomerate	Yields small quantities of water in the western part of the area.

**LANDFILLS SITE INSPECTION REPORT**  
(Supplemental Report)

**INSTRUCTION**  
Answer and Explain  
as Necessary.

1. EVIDENCE OF SITE INSTABILITY (Erosion, Settling, Sink Holes, etc)

☐ YES ☒ NO

2. EVIDENCE OF IMPROPER DISPOSAL OF BULK LIQUIDS, SEMI-SOLIDS AND SLUDGES INTO THE LANDFILL

☐ YES ☒ NO

3. CHECK RECORDS OF CELL LOCATION AND CONTENTS AND BENCHMARK

☐ YES ☒ NO None exist

4. WASTES SURROUNDED BY SORBENT MATERIAL

☐ YES ☒ NO

5. DIVERSION STRUCTURES ARE EFFECTIVELY CONSTRUCTED AND PROPERLY MAINTAINED

☐ YES ☒ NO None exist

6. EVIDENCE OF PONDING OF WATER ON SITE

☐ YES ☒ NO

7. EVIDENCE OF IMPROPER/INADEQUATE DRAINING

☐ YES ☒ NO

8. ADEQUATE LEACHATE COLLECTION SYSTEM (If "Yes", specify Type)

☐ YES ☒ NO

8a. SURFACE LEACHATE SPRING

☐ YES ☒ NO

9. RECORDS OF LEACHATE ANALYSIS

☐ YES ☒ NO

10. GAS MONITORING

☐ YES ☒ NO

11. GROUNDWATER MONITORING WELLS

☐ YES ☒ NO

12. ARTIFICIAL MEMBRANE LINER INSTALLED

☐ YES ☒ NO

13. SPECIFIC CONTAINMENT MEASURES (Clay Bottom, Sides, etc)

☐ YES ☒ NO

14. FIXATION (Stabilization) OF WASTE

☐ YES ☒ NO

15. ADEQUATE CLOSURE OF INACTIVE PORTION OF FACILITY

☒ YES ☐ NO

16. COVER (Type)

Compacted clay + top cover of crushed stone

16a. THICKNESS

~ 2-3'

16b. PERMEABILITY

unknown

16c. DAILY APPLICATION

☐ YES ☐ NO

N/A

# RESIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code)

(b) (6)

(b) (6)

Grand Prairie, Texas 75050 (Dallas County)

2. Date well was dug 1947

3. Depth of well about 25'

4. Depth to static water 19'

5. Is the well cased? Yes Unknown No

If so, to what depth?

What type of casing is used?

6. Is well screened? Yes Unknown No

7. How much is the well pumped? (Only for residential use or for use in watering livestock?) residential (non-potable) use (e.g. lawn watering, diswashing, etc.)

8. Any other pertinent information?

RESIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code)

(b) (6)

(b) (6)

Grand Prairie, Texas 75050 (Dallas County)

2. Date well was dug 1961 or 1962

3. Depth of well 38'

4. Depth to static water about 20 feet

5. Is the well cased? Yes ☒ No ☐

If so, to what depth? 38'

What type of casing is used? steel

6. Is well screened? Yes ☒ No ☐

7. How much is the well pumped? (Only for residential use or for use in watering livestock?) Only for residential use

8. Any other pertinent information?

ENGINEERING-SCIENCE, INC.  
SITE INSPECTION TEAM  
SITE SAFETY AND WORK PLAN

A. GENERAL INFORMATION

Site: Irving, City of (5 sites) Hazsit No.: TX 01643, 08532, 0852  
08541, 08567

Location: Grand Prairie, Texas and Irving, Texas

Plan Prepared by: Barry E. North Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Objective(s): Review records to establish history of on-site waste management. Sample groundwater monitoring wells, leachate, and potentially contaminated soil as required.

Proposed Date of Investigation: \_\_\_\_\_

Preliminary Assessment Hazard: High \_\_\_\_\_ Medium \_\_\_\_\_ Low X  
None \_\_\_\_\_ Unknown \_\_\_\_\_

B. SITE/WASTE CHARACTERISTICS

Waste Type(s): Liquid X Solid X Sludge X Gas \_\_\_\_\_

Characteristic(s): Corrosive \_\_\_\_\_ Ignitable X Radioactive \_\_\_\_\_

Volatile \_\_\_\_\_ Toxic \_\_\_\_\_ Reactive \_\_\_\_\_

Unknown X Other \_\_\_\_\_ (Name) \_\_\_\_\_

Facility Description: Five municipal land fill sites which received industrial waste from various sources.

Principal Disposal Method (type and location): Trench method. Industrial chemicals were dumped in trenches and mixed with municipal waste to absorb liquids. Also reports of damaged drums partially filled with chemicals disposed in trenches. Unusual Features (dike integrity, power lines, terrain, etc.) None

Status: (active, inactive, unknown): Inactive

History: (worker or nonworker injury, complaints from public, previous remedial or enforcement action): \_\_\_\_\_



### C. HAZARD EVALUATION

Wastes reported to have been disposed at the site include: oil based paint wastes, toluene, tar and oil, asbestos, cleaners and detergents, oily wastes, grease. Drummed wastes may also be present. At Irving City Dump, organic and inorganic wastes from a Koppers Company plant were dumped. These sites are inactive and have been capped by at least 2 ft of clean cover. Therefore the hazard to site inspection personnel is minimal. However, care should be taken during collection of leachate samples to avoid contact.

### D. SITE SAFETY WORK PLAN

#### PERSONAL PROTECTION

LEVEL OF PROTECTION: A ☐ B ☐ C ☐ D ☒

MODIFICATIONS: \_\_\_\_\_

SURVEILLANCE EQUIPMENT AND MATERIALS: None required

SITE ENTRY PROCEDURES: Notify City of Irving to schedule site inspection

DECONTAMINATION PROCEDURES: None required. (Dispose gloves used for sampling)

Special Equipment, Facilities, or Procedures: \_\_\_\_\_

Team Member

Responsibility

E. EMERGENCY INFORMATION

LOCAL RESOURCES

Ambulance: \_\_\_\_\_

Hospital: \_\_\_\_\_

Poison Control Center: \_\_\_\_\_

Police: \_\_\_\_\_

Fire Department: \_\_\_\_\_

EPA Contact: \_\_\_\_\_

TDWR Contact: Daniel L. Scheppers (512) 475-1344

Emergency Contacts: \_\_\_\_\_

Project Safety Manager: Dr. Barry North (303) 455-4427

Project Manager: David G. Johnson (512) 477-9901 892-3755

F. EMERGENCY ROUTES

HOSPITAL: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OTHER: \_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# CHAIN OF CUSTODY RECORD

PROJ. NO. 36410.03		PROJECT NAME RCRA 3012 Site Inspections				NO. OF CONTAINERS	<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Metals</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">P.P. Pesticides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Purgeable kit</div> </div>						REMARKS
SAMPLERS: (Signature) <i>Russell Dykes</i>													
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION								
5225	5/3	1040		X	Downhill of Ind. waste	2	X	X	X			TX 05649-01	
5226	5/1	1000		X	Pit near chem. disposal site	1	X		X			TX 08532-01	
5227	5/1	1410		X	Well @ (b) (6)	2	X		X			TX 08567-01 ✓	
5228	5/1	1410		X	Well @ (b) (6)	2	X		X			TX 08567-02	
5229	5/2	0910		X	Pit in open dump	1	X	X				TX 07536-02	
5230	5/2	0910		X	Water in gravel pit	2	X		X			TX 07536-01	
NOTE: ALL BOTTLES HAVE "ANALYSES REQUESTED" ON LABELS; SOME ARE INCOMPLETE; THIS FORM IS THE FINAL AUTHORITY FOR REQUESTED ANALYSES													
Relinquished by: (Signature) <i>Russell Dykes</i>		Date/Time 5/7/1000		Received by: (Signature)		Relinquished by: (Signature)		Date/Time		Received by: (Signature)			
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Relinquished by: (Signature)		Date/Time		Received by: (Signature)			
Relinquished by: (Signature)		Date/Time		Received for Laboratory by: (Signature) <i>[Signature]</i>		Date/Time 5-8-84 2:00 PM		Remarks					

## LABORATORY ANALYSIS REQUEST

SUBMITTER: Russell S. DykesDATE: May 4, 1984PHONE: (512) 477-9901REQUESTOR: R. S. DykesREQUESTED DATE  
OF COMPLETION: May 22, 1984PROJECT #: 36410.03SAMPLE TYPE: Various soils and groundwater samples  
(industrial waste, groundwater, soil, solid waste, etc.)

## REQUIRED ANALYSES &amp; DETECTION LIMITS:

TX 05649-01 p.p. Metals, p.p. pesticides, purgeables kit

TX 08532-01 p.p. metals, purgeables kit

TX 08567-01 p.p. metals, purgeables kit

TX 08567-02 p.p. metals, purgeables kit

TX 07536-02 p.p. pesticides, p.p. metals

TX 07536-01 p.p. metals, purgeables kit

## NOTES:



# ENGINEERING—SCIENCE, INC.

924 GEMINI BOULEVARD, HOUSTON, TEXAS 77058 (713) 488-3004

Engineering-Science, Inc.  
2901 N. Interregional  
Austin, Texas 78722

## LABORATORY RESULTS

Attn: Russell Dykes

ES PROJECT NO. 8073.99

DATE SAMPLE RECEIVED 5-08-84

DATE DATA TRANSMITTED 5-14-84

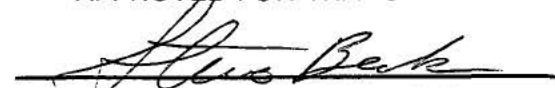
CLIENT JOB REFERENCE TX 08567

ES SAMPLE NUMBER	CLIENT IDENTIFICATION	Sb mg/L	As mg/L	Be mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Pb mg/L	Hg mg/L
5227	(b) (6)	< 0.5	< 0.04	< 0.02	< 0.02	< 0.01	< 0.05	< 0.01	< 0.002
5228	(b) (6)	< 0.5	< 0.04	< 0.02	< 0.02	< 0.01	0.07	< 0.01	< 0.002

ES SAMPLE NUMBER	CLIENT IDENTIFICATION	Ni mg/L	Se mg/L	Ag mg/L	Tl mg/L	Zn mg/L
5227	(b) (6)	< 0.05	< 0.04	< 0.03	< 0.1	< 0.02
5228	(b) (6)	< 0.05	< 0.04	< 0.03	< 0.1	1.2



APPROVED FOR TRANSMITTAL

  
LABORATORY MANAGER



# ABBREVIATIONS

Acid	Acidity (as Calcium Carbonate)	Mn	Manganese
Ag	Silver	Mo	Molybdenum
Al	Aluminum	Na	Sodium
Alk	Alkalinity (as Calcium Carbonate)	NH <sub>3</sub> -N	Ammonia (as Nitrogen)
As	Arsenic	Ni	Nickel
Au	Gold	NO <sub>3</sub> -N	Nitrate (as Nitrogen)
B	Boron	NO <sub>2</sub> -N	Nitrite (as Nitrogen)
Ba	Barium	N-Org	Nitrogen Organic
Be	Beryllium	NR	Not Requested
BOD <sub>5</sub>	Biochemical Oxygen Demand	O&G	Oil and Grease
Br	Bromide	Pb	Lead
Ca	Calcium	Pd	Palladium
Cd	Cadmium	PO <sub>4</sub> -O	Ortho Phosphate (as Phosphorus)
Cs	Cesium	T-P	Total Phosphorus (as Phosphorus)
Cl	Chloride	Pt	Platinum
Cl <sub>2</sub>	Chlorine residual	Rb	Rubidium
CN	Cyanide	Sb	Antimony
Co	Cobalt	Se	Selenium
COD	Chemical Oxygen Demand	Si	Silicon
Cond	Conductivity	Sn	Tin
Cr	Chromium	SO <sub>4</sub>	Sulfate
Cr <sup>6</sup>	Chromium, Hexavalent	SS	Settleable Solids
Cu	Copper	Sr	Strontium
D-	Dissolved	TDS	Total Dissolved Solids
DO	Dissolved Oxygen	Te	Tellurium
F	Fluoride	TEP	Toxic Extraction Procedure
Fe	Iron	Ti	Titanium
Ga	Gallium	TKN	Total Kjeldahl Nitrogen
Hard	Hardness (as Calcium Carbonate)	Tl	Thallium
Hg	Mercury	TOC	Total Organic Carbon
I	Iodide	TS	Total Solids
K	Potassium	TSS	Total Suspended Solids
Li	Lithium	Turb	Turbidity
MBAS	Methylene Blue Active Substances (surfactants)	V	Vanadium
Mg	Magnesium	W	Tungsten
		Zn	Zinc
		φ	Phenol

# Notes

- All concentrations are totals unless otherwise noted. D- indicates dissolved concentration.
- Analyses performed by EPA methods or "Standard Methods for the Examination of Water and Wastewater" 14th Ed. unless otherwise noted.
- Detection limits and sensitivity vary with method of analysis and sample quantity.

# UNITS

g	gram	mL	milliliter
L	liter	ng	nanogram
m <sup>3</sup>	cubic meter	pg	picogram
mg	milligram	μg	microgram
		NTU	Nephelometric Turbidity Units
		JTU	Jackson Turbidity Units

## LABORATORY RESULTS

CLIENT: TDWR TX 08567

DATE RECEIVED: May 8, 1984

Parameter	Sample I.D.	(b) (6)	(b) (6)	
		ES #	5227	5228
		Units	ug/L	ug/L
Benzene		< 5	< 5	
Carbon tetrachloride		< 50	< 50	
Chlorobenzene		< 5	< 5	
1,2 - Dichloroethane		< 10	< 10	
1,1,1 - Trichloroethane		< 10	< 10	
1,1 - Dichloroethane		< 10	< 10	
1,1,2 - Trichloroethane		< 10	< 10	
1,1,2,2 - Tetrachloroethane		< 10	< 10	
Chloroform		< 50	< 50	
1,1 - Dichloroethylene		< 10	< 10	
1,2 - trans-Dichloroethylene		< 10	< 10	
1,2 - Dichloropropane		< 10	< 10	
Ethylbenzene		< 5	< 5	
Methylene chloride		< 10	< 10	
Bromoform		< 50	< 50	
Dichlorobromomethane		< 50	< 50	
Trichlorofluoromethane		< 50	< 50	
Chlorodibromomethane		< 50	< 50	
Tetrachloroethylene		< 10	< 10	
Toluene		< 5	< 5	
Trichloroethylene		< 10	< 10	
Xylenes (o,m,p)		< 5	< 5	

NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**

**FLOOD INSURANCE RATE MAP**

**CITY OF  
GRAND PRAIRIE, TEXAS  
DALLAS AND TARRANT  
COUNTIES**

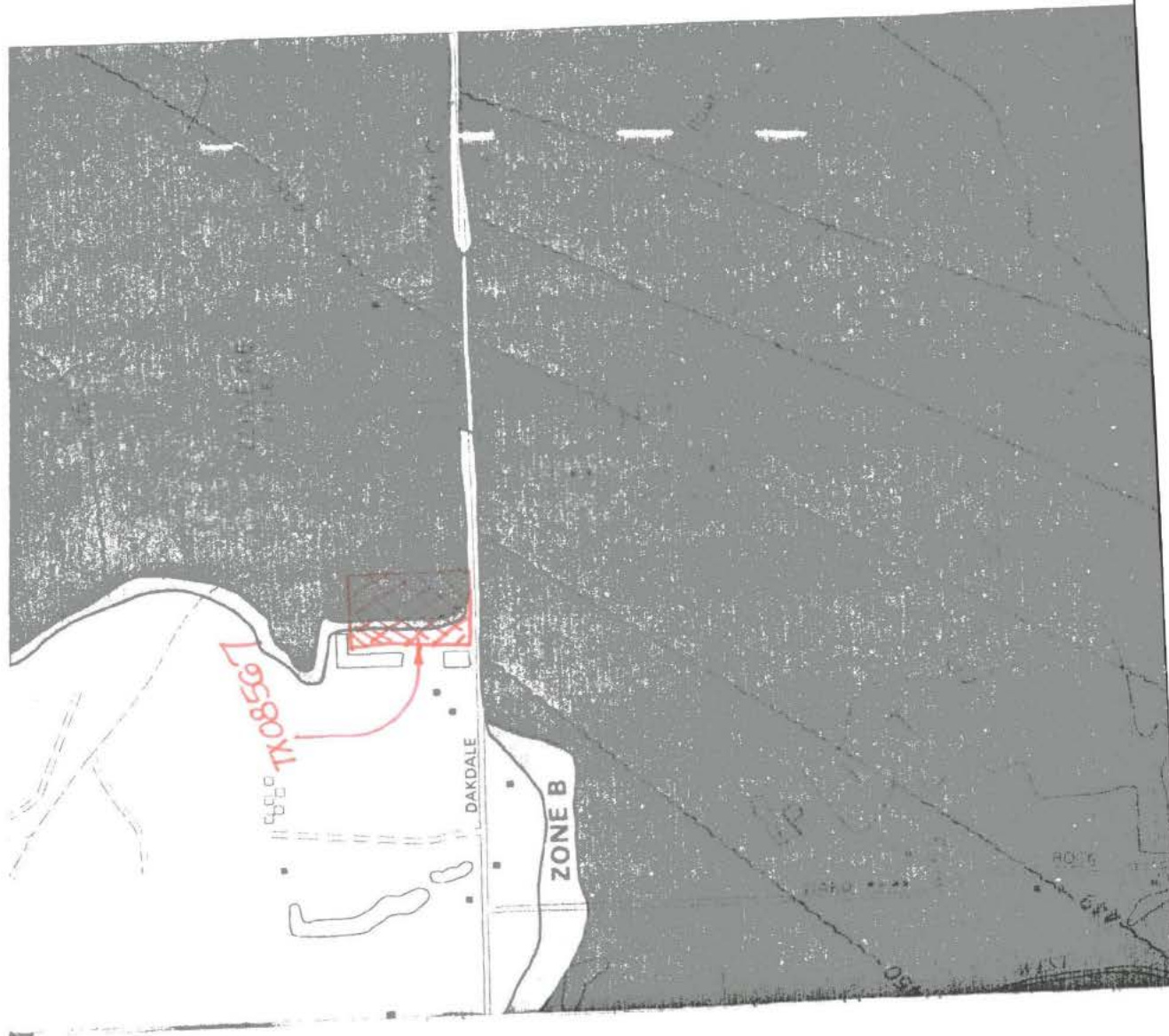
**PANEL 10 OF 40**

**COMMUNITY-PANEL NUMBER  
485472 0010 B**

**MAP REVISED:  
APRIL 1, 1982**

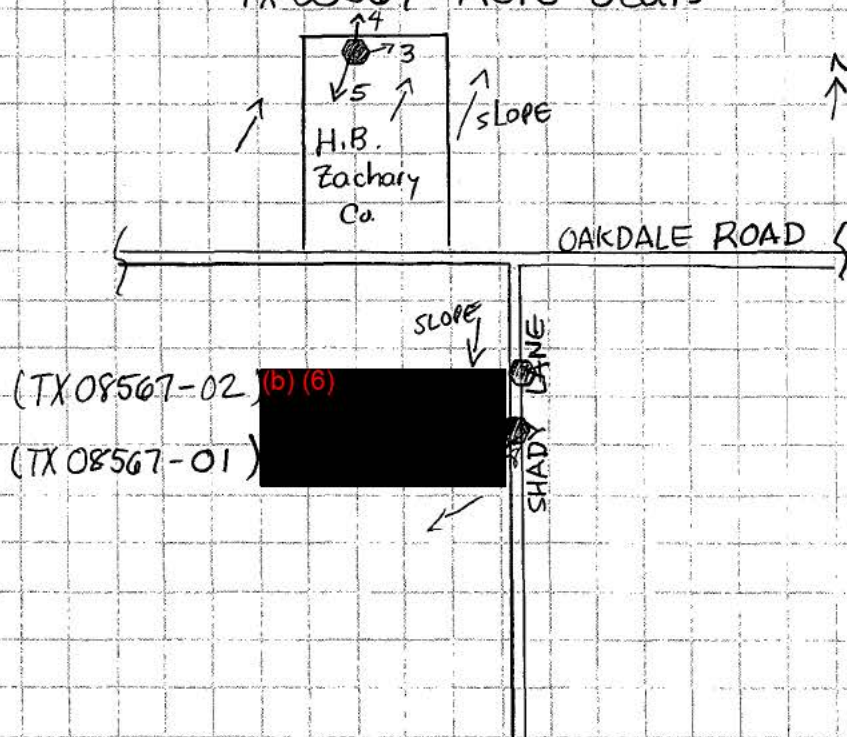


**Federal Emergency Management Agency**

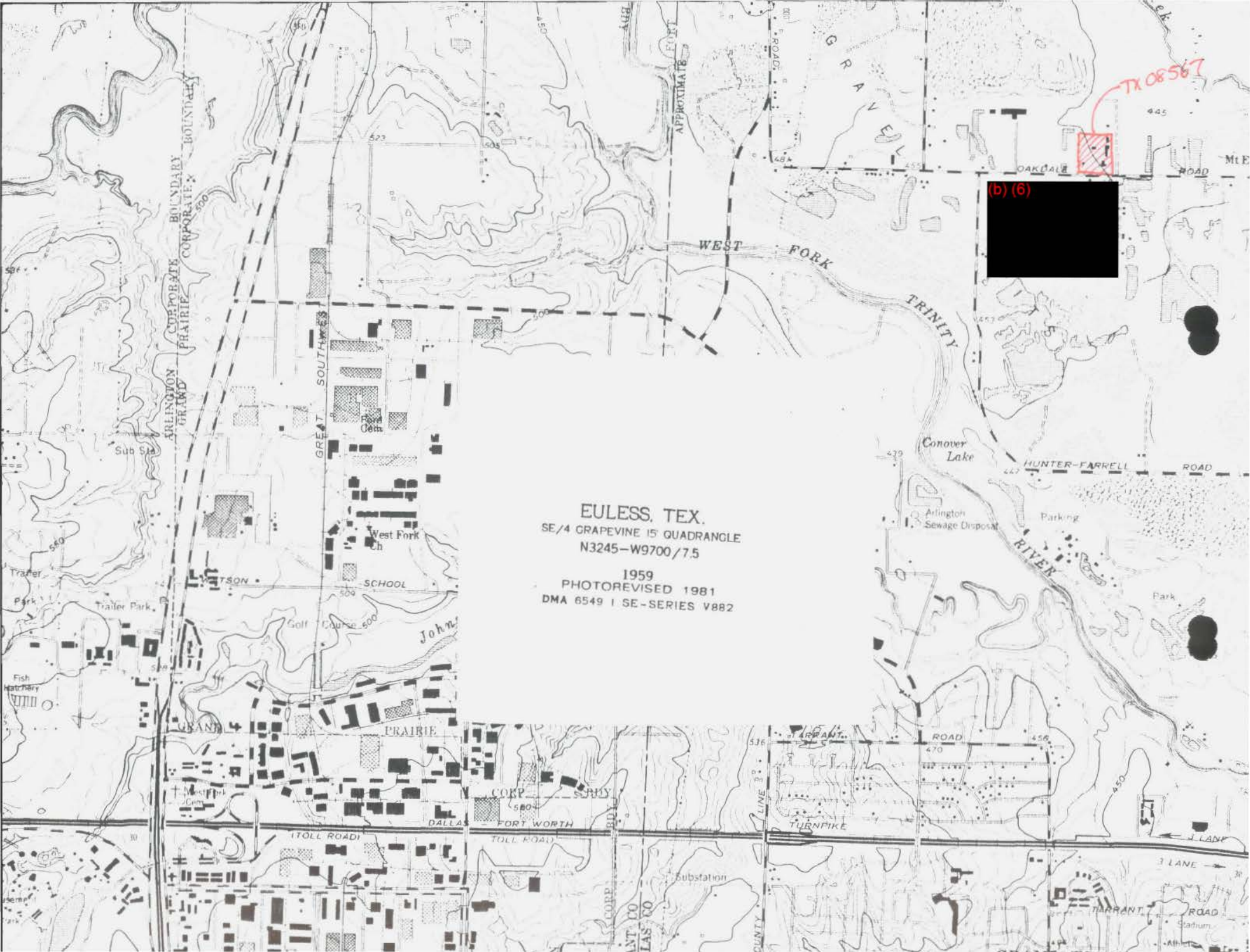




Site Sketch (NTS)  
TX 08567 - Acie Seals







TX 08567

(b) (6)

EULESS, TEX.  
SE/4 GRAPEVINE 15' QUADRANGLE  
N3245-W9700/7.5  
1959  
PHOTOREVISED 1981  
DMA 6549 I SE-SERIES V882

ARLINGTON CORPORATE BOUNDARY  
PRAIRIE CORPORATE BOUNDARY

GREAT SOUTHWEST

WEST FORK

TRINITY

Conover Lake

HUNTER-FARRELL ROAD

Arlington Sewage Disposal

Parking

RIVER

Park

John

PRAIRIE

DALLAS - FORT WORTH

TARRANT ROAD

ROAD

TURNPIKE

3 LANE

TARRANT ROAD

Stadium

Abilene